

1755

Patent
Docket No: 57320US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

CLARK, John C.; BURLEIGH, Malcolm B.;
JARIWALA, Chetan P.; QIU, Zai-Ming

Group Art Unit: 1755

Serial No.: 10/004,847

Filed: December 4, 2001

Examiner: unknown

For: REPELLENT FLUORO-CHEMICAL COMPOSITIONS

RECEIVED
MAR 15 2002
TC 1700

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

MAR 5 2002

Hylis H. Froelke

Date

Signature Hylis H. Froelke

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, enclosed please find a completed PTO-1449 form citing references submitted for consideration during examination of the above-referenced patent application. A copy of each of the references cited therein is also enclosed.

It is believed that no fee is due; however, in the event a fee is required, please charge it to Deposit Account No. 13-3723.

It is respectfully requested that the Examiner initial and return the enclosed PTO-1449 form in order to indicate that each of the references listed thereon has been considered in connection with the present application.

Registration Number 33,931	Telephone Number 651-733-3597
Date 3/5/02	

Respectfully submitted,

By

Kent S. Kokko
Kent S. Kokko, Ph.D.

Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Facsimile: (651) 736-3833

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use as many sheets if necessary)

Page 1 of 2

Application Number

10/004847

Filing Date

December 4, 2001

First Named Inventor

Clark, John C.

Art Unit

1755

Examiner Name

unknown

Attorney Case Number

57320US002

Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	A1	US- 3,398,182	08/20/68	Guenther et al.	
	A2	US- 3,896,251	07/22/75	Landucci	
	A3	US- 3,916,053	10/28/75	Sherman et al.	
	A4	US- 4,001,309	01/04/77	Hayashi et al.	
	A5	US- 4,264,484	04/28/81	Patel	
	A6	US- 4,504,401	03/12/85	Matsuo et al.	
	A7	US- 4,540,497	09/10/85	Chang et al.	
	A8	US- 4,606,737	08/19/86	Stern	
	A9	US- 4,668,406	05/26/87	Chang	
	A10	US- 4,788,287	11/29/88	Matsuo et al.	
	A11	US- 4,792,354	12/20/88	Matsuo et al.	
	A12	US- 4,822,373	04/18/89	Olson et al.	
	A13	US- 4,853,418	08/01/89	Hanada et al.	
	A14	US- 4,875,901	10/24/89	Payet et al.	
	A15	US- 4,937,123	06/26/90	Chang et al.	
	A16	US- 5,025,052	06/18/91	Crater et al.	
	A17	US- 5,098,774	03/24/92	Chang	
	A18	US- 5,212,272	05/18/93	Sargent et al.	
	A19	US- 5,223,340	06/29/93	Moss, III et al.	
	A20	US- 5,310,828	05/10/94	Williams	
	A21	US- 5,316,850	05/31/94	Sargent et al.	
	A22	US- 5,350,795	09/27/94	Smith et al.	
	A23	US- 5,410,073	04/25/95	Kirchner	
	A24	US- 5,411,766	05/02/95	Kirchner	
	A25	US- 5,414,111	05/09/95	Kirchner	
	A26	US- 5,520,962	05/28/96	Jones, Jr.	
	A27	US- 5,565,564	10/15/96	Kirchner	
	A28	US- 5,672,651	09/30/97	Smith	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Filing Date

December 4, 2001

First Named Inventor

Clark, John C.

Art Unit

1755

Examiner Name

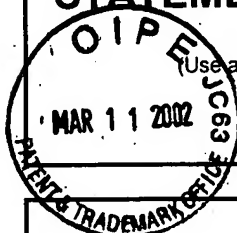
Unknown

Attorney Case Number

57320U8002

(Use as many sheets if necessary)

Page 2 of 2

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	A29	US- 5,688,884	11/18/97	Baker et al.	
	A30	US- 5,990,212	11/23/99	Hager et al.	
	A31	US- 6,197,378 B1	03/06/01	Clark et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
	B1						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	"Waterproofing and Water/Oil Repellency", Kirk-Othmer Encyclopedia Of Chemical Technology, pp. 442-465, Vol. 24, 3 rd Ed.
	C2	Edited by R. E. BANKS, "Industrial Aspects of Fluorine Chemistry", Organofluorine Chemicals and Their Industrial Applications, 1979, p. 56, Ellis Horwood Ltd.
	C3	JAMES O. HENDRICKS, "Industrial Fluorochemicals", Industrial and Engineering Chemistry, (January 1953), pp. 99-105, Vol. 45, No. 1
	C4	M. K. BERNETT AND W. A. ZISMAN, "Wetting Of Low-Energy Solids By Aqueous Solutions Of Highly-Fluorinated-Acids-And-Salts", The Journal of Physical Chemistry, (1959), pp. 1911-1916, Vol. 63
	C5	NEAL O. BRACE, "Long Chain Alkanoic and Alkenoic Acids with Perfluoroalkyl Terminal Segments" The Journal of Organic Chemistry, (December 1962), pp. 4491-4498, Vol. 27
	C6	WILLIAM A. ZISMAN, "Contact Angle, Wettability, and Adhesion", Advances in Chemistry Series No. 43, 1963, pp. 1-51
	C7	Edited by R. E. BANKS, "Electrochemical Fluorination (Simons Process)", Preparation, Properties, and Industrial Applications of Organofluorine Compounds, 1982, p. 26, Ellis Horwood Ltd.
	C8	DOUGLAS A. WICKS AND ZENO W. WICKS JR., "Blocked Isocyanates III.: Part. A. Mechanisms And Chemistry", Progress In Organic Coatings, (July 1999), pp. 148-172, Vol. 36, No. 3

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.